AUTHOR: Liberman, G.R., Engineer 91-58-6-29/39

TITLE: The Installation of Indicators of Corrosive Agents on Steam Boilers (Ustanovka na parovykh kotlakh indikatorov agressivnosti)

PERIODICAL: Energetik, 1958, Nr 6, pp 28-30 (USSR)

ABSTRACT: The author discusses various suitable positions for fitting water corrosiveness indicators on boilers, as well as common faults in making test patterns for aggresiveness indicators. There are two figures.

AVAILABLE: Library of Congress

Card 1/1 1. Corrosive indicators-Installation

LIBERMAN, G.R., inzh.

Protecting the metal of boilers from feed water aggressiveness.
Energetik 6 no.12:25-27 D '58. (MIRA 11:12)
(Boilers)

INDENBAUM, Veniamin Solomonovich, inzh.; LEBEDEV, Mikhail Vasil'yevich, inzh. [deceased]; LIBERMAN, Grigoriy Romanovich, inzh.; OL'-SHANSKIY, Ya.A., inzh., red.; POPOV, K.S., inzh., red.; TAYTS, A.A., inzh., red.; SHNEYEROV, S.A., red.izd-va; BARANOV, M.V., tekhn.red.

[Operation of small steam turbine electric power plants] Ekspluatatsiia paroturbinnykh elektrostantsii maloi moshchnosti. Pod obshchei red. G.R.Libermana. Moskva, Izd-vo M-va kommun. khoz.RSFSR, 1959. 483 p. (MIRA 13:5)
(Electric power plants)

AUTHOR: Liberman, G.R., Engineer SOV/91-59-1-23/26

TITLE: An Illustrated Atlas of Boiler Sets (Atlas kotel'nykh agregatov). Responsible Editor: Prof. A.P. Kovalev (Pod obshchey redaktsiyey prof. A.P. Kovaleva).

PERIODICAL: Energetik, 1959, Nr 1, pp 35 - 37 (USSR)

ABSTRACT: This is a review of the above mentioned atlas of boiler systems.

Card 1/1

8(6)

SOV/91-59-3-16/22

AUTHOR: Liberman, G.R.

TITLE: On the Design of a Corrosiveness Indicator (O konstruktsii indikatora agressivnosti)

PERIODICAL: Energetik, 1959, Nr 3, p 36 (USSR)

ABSTRACT: This is a reply to a question from V.A. Olerov from Izhevsk, Udmurtskaya ASSR, asking in what spot a 3 mm bore should be drilled into the indicator channel to obtain an easy steaming when switching-in. The author replies that this bore should be drilled 5 mm away from the center axis of the front pair of studs. Further, he describes the basic design features of the indicator and refers Mr. Olerov to 2 Soviet publications for additional information. There are 3 drawings and 2 Soviet references.

Card 1/1

25(6)

SOV/91-59-3-18/22

AUTHOR: Liberman, G.R.

TITLE: An Ultrasonic Defectoscope for Testing the Metal Shells of Steam Boilers and Containers (Ul'trazvukovoy defektoskop dlya kontrolya metalla parovykh kotlov i sosudov)

PERIODICAL: Energetik, 1959, Nr 3, pp 37-38 (USSR)

ABSTRACT: The article is a reply to Mr. V.A. Olerov, living in Izhevsk, Udmurtskaya ASSR, who asks what type of ultrasonic defectoscope is recommended for testing metal shells of steam boilers and vessels. The author recommends the use of type UZD-7N defectoscope designed by the TsNIITMASh which is being serially produced. This defectoscope has a penetration depth of about 2m, at a working frequency of 25 megacycles, and a dead zone of 10 mm when applied with flat feelers. With prismatic feelers, having angles of sonic wave incidence of 30, 40, and 50 degrees, penetration depth is about 1m and the dead zone 2mm, at a working fre-

Card 1/2

SOV/91-59-3-18/22

An Ultrasonic Defectoscope for Testing the Metal Shells of Steam Boilers and Containers

quency of 25 mc. Two other types of defectoscopes: UZD-7N-1 and UZD-7E, have an analogous working principle but are not in serial production. For further information Mr. Olerov is referred to 2 Soviet publications. There are 2 Soviet references.

Card 2/2

8(5) SOV/91-59-6-4/33

AUTHOR: Liberman, G.R., Engineer

TITLE: A Device for Preheating the Lower Drums of Steam Boilers

PERIODICAL: Energetik, 1959, Nr 6, pp 6-8 (USSR)

ABSTRACT: The author describes the device specified in the title, designed by him and by Engineer I.I. Bruk, and installed in 1953-55 on a number of 5 to 45 ton/hour boilers of municipal power plants of the RSFSR. It consists of a number of small ejectors mounted on the distributing pipe. The number and the caliber of ejectors may vary depending on the capacity of the boiler and the number of lower drums. One such device serves one lower drum. Figure 1 shows this device for one lower drum of an 18 atm NZL-3 boiler having 400 m^2 heating surface. Twelve ejectors of small overall size are mounted on the 57 x 3 mm distributing pipe, at an inclination toward the furnace chamber (in this case the angle of inclination is 30°). Figure 2

Card 1/2

A Device for Preheating the Lower Drums of Steam Boilers

shows the structural features of the ejector. It consists of a cylindrical nozzle with a 6 mm inner diameter, a housing, a 14 mm in diameter neck and a diffusor capable of expanding to a diameter of 50 mm. Ejectors of this type are good for lower drums of various sizes; they would only call for a slight alteration of diameters of the nozzle and the neck. The steam feed pipe must be well insulated. The steam preheating of lower drums results in such a flow of steam, or of a mixture of steam and water, which facilitates natural circulation and an even warming-up of all sections of the lower drums. There are 2 sets of diagrams.

SOV/91-59-6-28/33

(

AUTHOR: Liberman, G.R.

TITLE: On the Admissibility of One Fireman Attending Two DKV-6, 5-13 Boilers with PMZ Fire Chambers

PERIODICAL: Energetik, 1959, Nr 6, pp 37-38 (USSR)

ABSTRACT: This is in reply to a question asked by V.V. Fokeyev, from Sverdlovsk. The reply is in the affirmative and quotes Par. 253 of the "Rules on Organization and Safe Exploitation of Steam Boilers", approved by the Gosgortekhnadzor of the USSR on 19 March 1957. However, the author stresses the need for careful consideration of all local conditions prior to employing only one fireman, so as to secure 100% safety of the given boiler house.

Card 1/1

LIBERMAN, G.R., inzh.

"Atlas of boiler units" by A. P. Kovalev and others. Reviewed by G. R. Liberman. Energetik 7 no.1:35-37 Ja '59. (MIRA 12:1)
(Boilers)

LIBERMAN, G.R.

Construction of aggressiveness indicators. Energetik 7 no.3:36 Mr '59. (MIRA 12:4)
(Feed water--Testing)

LIBERMAN, G.R.

Ultrasonic defectoscope for testing boiler and vessel metals. (MIRA 12:4)
Energetik 7 no.3:37-38 Mr '59.
(Boilers--Testing)

SOV/91-59-9-27/33

8(6)
AUTHOR: Liberman, G.R.

TITLE: Increasing the Steam Output of Boilers

PERIODICAL: Energetik, 1959, Nr 9, p 37 (USSR)

ABSTRACT: I.Kh. Poroshenkova (Leningrad) requested instructions for increasing the steam output of Shukhov and Babcock-Wilcox boilers, either by reconstruction or by improving individual units. The author replied that the steam output of such boilers may be increased by enlarging the stoker volume and by shielding the stoker walls, As a rule, if a steam superheater is installed on a such a boiler, its heater surface should be increased for avoiding a reduction of the superheated steam temperature. The functioning of convective heater surfaces may be intensified in certain cases by some modification of the flues, which will also result in increased steam output. Reconstructions of a boiler for increasing the steam output necessitates calculations and planning which must be performed by special planning organizations. The author lists two Soviet

Card 1/2

Increasing the Steam Output of Boilers

publications on the reconstructions of low-capacity boilers. There are 2 Soviet references.

8(6) SOV/91-59-10-25/29

AUTHOR: Liberman G.R., Engineer

TITLE: Books on Thermo-Mechanical Economy of Electric Power Stations

PERIODICAL: Energetik, 1959, Nr. 10, pp 37-39, (USSR)

ABSTRACT: Seven Soviet books are listed and briefly described.

Card 1/1

PANIN, Vasiliy Ivanovich; LIBERMAN, G.R., red.; OTOCHEVA, M.A., red.izd-va; NAZAROVA, A.S., tekhn.red.

[Small and medium boiler systems] Kotel'nye ustanovki maloi i srednei moshchnosti. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1960. 278 p. (MIRA 14:1)

(Boilers)

BONDAREVSKIY, Dmitriy Ivanovich, dotsent, kand.tekhn.nauk; YERMAKOV, Nikolay Dmitriyevich, inzh.; LIBERMAN, Grigoriy Ruvimovich, inzh.; OVECHNIKOV, Yevgeniy Vasil'yevich, kand.tekhn.nauk; CHERTOK, Mark Semenovich, inzh.; SURGUCHEV, V.D., dotsent, retsenzent [deceased]; VOLOCHNEV, V.N., otv.red.; GALONEN, Yu.M., kand.tekhn.nauk, red.; TROFIMOV, A.N., red.; SHPOLYANSKIY, M.N., red.; NIKOLAYEVA, T.A., red.; LELYUKHIN, A.A., tekhn.red.

[Engineering handbook on city electric railroad transportation in three volumes] Tekhnicheskii spravochnik po gorodskomu elektrotransportu v trekh tomakh. Moskva, Izd-vo M-va kommun.khoz. RSFSR. Vol.2. [Streetcar transportation] Tramvai. Otv.red.V.N.Volochnev. 1960. 565 p. (MIRA 13:7)

(Street railways)

LIBERMAN, G. R.

Improvement in the operation of boiler furnaces with mechanical nonsifting chain grates. Energetik 8 no.8:36 Ag '60. (MIRA 13:10)

(Furnaces)

LIBERMAN, G.R.

Measures to be taken when boilers are shutdown. Energetik 8 no.11:39 N '60. (MIRA 13:12)

(Boilers)

LIBERMAN, G.R.

Use of fusible safety plugs in DKVR boilers. Energetik 9 no.3: 38-39 Mr '61. (MIRA 14:7)

(Boilers--Safety plugs)

LIBERMAN, G.R.

Concerning the operation of a steam engine. Energetik 9 no.5:36 My '61. (MIRA 14:5)
(Portable engines)

LIBERMAN, G.R., inzh.; FAYN, A.G., inzh.; FINGER, L.M., inzh.; PANIN, V.I., inzh., spets. red.; KLOPOTOV, K.K., inzh., red.; TEL'NOV, N.V., red.izd-va; LELYUKHIN, A.A., tekhn. red.

[Supply in electricity and heat in the cities] Elektrosnabzhenie i teplosnabzhenie gorodov; nauchno-tekhnicheskii informatsionnyi sbornik. Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1961. 141 p. (MIRA 15:2)

1. Russia (1917- R.S.F.S.R.) Ministerstvo kommunal'nogo khozyaystva. Tekhnicheskoye upravleniye.
(Municipal services)

LIBERMAN, G.R.

Improvement of the operation of BTsR grates. Energetik 11 no.1:35-36 Ja '63. (MIRA 16:1)
(Boilers)

CHEPEL', Vladimir Mikhaylovich; VITKIN, Vladimir Mikhaylovich; LIBERMAN, G.R., red.; ALMAZOV, V.Z., red.izd-va; KHENOKH, E.M., tekhn. red.

[Aid to the stoker] V pomoshch' kochegaru. Izd.2., perer. i dop. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1963. 220 p. (MIRA 17:3)

PANIN, Vasiliy Ivanovich; LIBERMAN, G.[illegible], red.

[Boiler systems with small and medium power ratings] Kotel'nye ustanovki maloi i srednei moshchnosti. Izd.2., perer. i dop. Moskva, Izd-vo lit ry po stroit., 1964. 366 p. (MIRA 17:10)

LIBERMAN, G.R.; TAYTS, A.A.; PANIN, V.I., spets. red.;
MINAYEV-TSIKANOVSKIY, V.A., red.

[Electric power and heat supply of cities; collection of scientific and technical information] Elektrosnabzhenie i teplosnabzhenie gorodov; nauchno-tekhnicheskii informatsionnyi sbornik. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 162 p. (Novaia tekhnika zhilishchno-kommunal'nogo khoziaistva, no.4) (MIRA 18:8)

1. Russia (1917- R.S.F.S.R.) Ministerstvo kommunal'nogo khozyaystva. Tekhnicheskoye upravleniye.

KIBRIK, Petr Samoylovich; LIBERMAN, Grigoriy Romanovich; KOMAROV, A.M., red.

[Manual for boiler machinists (firemen)] Pamiatka mashinista (kochegara) parovogo kotla. Moskva, Energiia, 1965. 119 p. (MIRA 18:10)

USSR/Chemistry - Synthesis

Card 1/1 Pub. 40 - 7/27

Authors : Nesmayanov, A. N.; Sazonova, V. A.; Liberman, G. S.; and Yemel'yanova, L. I.

Title : Reactions of organic-magnesium compounds with potassium and triethyloxonium borofluorides

Periodical : Izv. AN SSSR. Otd. khim. nauk 1, 48-53, Jan-Feb 1955

Abstract : A convenient and simple method of synthesizing trimethyl boron and some tetraryl boric salts through the reaction of organo-magnesium compounds with potassium and triethyloxonium borofluroides is described. The reaction products obtained and their chemical properties are listed. Eight references: 1 USSR, 5 USA and 2 German (1862-1952).

Institution : The M. V. Lomonosov State University, Moscow

Submitted : February 1, 1954

LIBERMAN, G.V.; KIREYEV, V.A.

Interaction of tricalcium aluminate with water in the presence of sodium and potassium sulfates at elevated temperatures. Izv.vys. ucheb.zav.; khim. i khim. tekh. 6 no.6:896-900 '63. (MIRA 17:4)

1. Moskovskiy inzhenerno-stroitel'nyy institut imeni Kuybysheva, kafedra obshchey khimii.

LIBERMAN, G.V.; KIREYEV, V.A.

Interaction of tricalcium silicate with aqueous solutions of some chlorides and sulfates at elevated temperatures. Zhur. prikl. khim. 37 no.2:450-453 F '64. (MIRA 17:9)

1. Moskovskiy inzhenerno-stroitel'nyy institut imeni Kuybysheva.

LIBERMAN, G.V.; KIREYEV, V.A.

Interaction of tricalcium aluminate with water in the presence of the chlorides of calcium, sodium, and potassium at elevated temperatures. Zhur.prikl.khim. 37 no.1:194-196 Ja '64. (MIRA 17:2)

LIBERMAN, G. Ya.; SEROVA, T.A., kand. med. nauk

Arrest of atonic hemorrhage in three parturients by bilateral ligation of the uterine arteries. Akush. i gin. 39 no.4:129-130 Jl-Ag'63 (MIRA 16:12)

1. Iz rodil'nogo doma Gorodskoy bol'nitsy No.23 (glavnyy vrach I.A. Kokovikhin), Sverdlovsk.

LIBERMAN, I.A., inzh.

Choice of wire sizes for municipal electric power distribution networks. Trudy LIKI no.41:246-250 '62. (MIRA 17:6)

1. Gosudarstvennyy institut proyektirovaniya gorodov.

LIBERMAN, I.A., inzh.

Determination of the cross section of 6 to 10 kv. cables with aluminum strands using tables and graphs. Energetik 10 no.11:26-27 N '62. (MIRA 15:12)
(Electric lines) (Electric cables)

LIBERMAN, I.A., inzh.

Graphical determination of the cross section of steel reinforced VL 110 kv. aluminum wires. Energetik 11 no.6:24-25 Je '63. (MIRA 16:7)

(Electric lines)

GLINKOV, M.A.; LIEBERMAN, I.P.

Electric conductivity of a luminous hydrocarbon flame. Zav. lab. 31 no.2:176-179 '65. (MIRA 18:11)

1. Moskovskiy inzhenerno-stroitel'nyy institut.

LIBERMAN, I.G., inzh.

A universal megohmmeter. Prom.energ. 17 no.7:28 Jl '62.
(MIRA 15:7)

(Ohmmeter)

LIBERMAN, I.G., inzh.

Synthesis of an efficient system for the automatic control of vacuum-evaporator units. Izv. vys. ucheb. zav.; energ. 8 no.8:87-95 Ag '65. (MIRA 18:9)

1. Proyektno-konstruktorskiy institut "Pishchepromavtomatika".

34661

S/096/62/000/002/005/008
E140/E135

26.5200

AUTHORS: Liberman, I.G., and Taubman, Ye.I.

TITLE: The calculation of convection heat exchange on electronic analogue computers

PERIODICAL: Teploenergetika, no.2, 1962, 67-70

TEXT: The article describes the solution of an empirical equation for convection heat exchange:

$$y = cx_1^{n_1} \cdot x_2^{n_2} \ldots x_k^{n_k} \qquad (1)$$

where c is a constant, x_i are variables defining the heat exchange process (heat transfer factor, rate of circulation of heat carrier, geometrical dimensions and form, etc.), and the n_i are real numbers. The problem was set up for the Soviet Analogue Computer MH-7 (MN-7) according to the block diagram of Fig.1. Here the blocks in the extreme left-hand column are the sources of the variables x_i, the blocks of the second column are nonlinear elements (function generators) for obtaining the

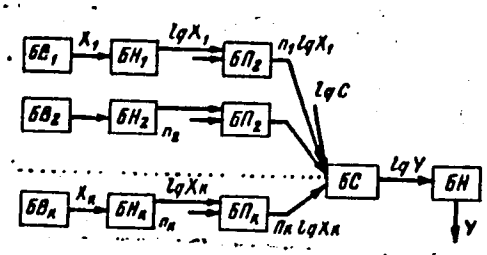
Card 1/3

The calculation of convection heat ... S/096/62/000/002/005/008
E140/E135

There are 6 figures, 2 tables and 5 Soviet-bloc references.

ASSOCIATION: PKI Pishcheprom - UkrNIIKP

Fig.1



Card 3/3

LIBERMAN, I.G., inzh.; TAUBMAN, Ye.I., inzh.

Using electronic calculating machines of continuous action for the analysis of the processes of convection heat exchange. Teploenergetika 9 no.2:67-70 F '62. (MIRA 15:2)

1. Proyektno-konstruktorskiy institut Pishcheprom i UkrNIIKP.
(Heat--Convection) (Electronic calculating machines)

LIBERMAN, I.G.; MOLODETSKIY, I.G.; SPINUL, N.M.

Changes in the level of the product in vacuum evaporation apparatus with continuous action. Kons.i ov.prom. 17 no.10: 13-16 O '62. (MIRA 15:9)

1. Proyektno-konstruktorskiy institut kompleksnoy avtomatizatsii proizvodstvennykh protsessov v pishchevoy promyshlennosti.
(Evaporating appliances) (Level indicators)

ROTKOP, L.L.; LIBERMAN, I.G.; RIVILIS, A.A.

Using the mathematical statistics method for determining the dynamic characteristics of a bakery oven. Izv.vys.ucheb.zav.; pishch.tekh. no.1:114-121 '63. (MIRA 16:3)

1. Ukrainskiy proyektno-konstruktorskiy institut pishchevoy promyshlennosti, laboratoriya dinamiki.
(Ovens) (Mathematical statistics)

LIBERMAN, I.G., inzh.

Analysis of vacuum evaporators as objects of automatic control.
Izv. vys. ucheb. zav.; energ. 7 no.12:84-90 D '64.
(MIRA 18:2)

1. Vsesoyuznyy proyektno-konstruktorskiy i nauchno-issledovatel'skiy institut "Pishchepromavtomatika". Predstavlena kafedroy avtomatizatsii teploenergeticheskikh protsessov Odesskogo politekhnicheskogo instituta.

LIBERMAN, Isaak Moiseyevich

Krasnoyarsk State Med Inst, Academic degree of Doctor of Medical Sciences, based on his defense, 20 June 55, in the Council of State Sci Res Inst of Roentgenology and Radiology imeni Molotov, of his dissertation entitled: "Roentgenological investigation of the small intestine during cases of hernia."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 5, 3 Mar 56, Byulleten' MVO SSSR, No. 2, Jan 57, Moscow, pp 17-20, uncl. JPRS/NY-466

LIBERMAN, I.M., dotsent

Roentgenological examination in strangulated ventral hernia. Vest. rent. i rad. 31 no.5:48-53 S-O '56. (MIRA 10:1)

1. Iz kafedry rentgenologii (zav. - zasluzhennyy deyatel' nauki prof. S.A.Reynberg) TSentral'nogo instituta usovershenstvovaniya vrachey i kafedry gospital'noy khirurgii (zav. - zasluzhennyy deyatel' nauki prof. T.Ye.Gnilorybov) Dnepropetrovskogo meditsinskogo instituta.
(HERNIA, VENTRAL, radiography
strangulated hernia)

LIBERMAN, I.M.; RUBINSHTEY, M.Ye.

Oxygen for treating ascariasis. Pediatriia no.8:76 Ag '57. (MIRA 10:12)

1. Iz kafedry detskikh bolezney lechebnogo i sanitarno-gigiyenicheskogo fakul'teta Dnepropetrovskogo meditsinskogo instituta i detskoy klinicheskoy bol'nitsy Kirovskogo rayona goroda Dnepropetrovska.
(OXYGEN--THERAPEUTIC USE) (ASCARIDS AND ASCARIASIS)

LIBERMAN, I.M., dotsent; VOYTENKO, G.M., kand.med.nauk (Dnepropetrovsk)

Changes in the alimentary canal in syringomyelia. Klin.med. 35 [i.e.34] no.1 Supplement:46 Ja '57. (MIRA 11:2)

1. Iz Dnepropetrovskoy oblastnoy klinicheskoy bol'nitsy imeni Mechnikova (glavnyy vrach I.A.Lobanova)
(ALIMENTARY CANAL--DISEASES) (SYRINGOMYELIA)

LIBERMAN, I.M. (Krasnoyarsk).

Roentgenological study of small hernias. Klin.med. 36 no.11:140-143 N '58 (MIRA 11:12)

1. Iz kafedry rentgenologii i radiologii Krasnoyarskogo meditsinskogo instituta.

(HERNIA, diag.
small, x-ray diag. (Rus))

LIBERMAN, I.M.

Furnace for the calcination of marshalite. Lit.proizv. no.11:42-43 N '61. (MIRA 14:12)

(Marshalite)

LIBERMAN, I.N.; PEREBATOVA, M.A.

Work practice in lowering the incidence of tuberculosis at enterprises in the Sverdlovsk Province. Sov.zdrav. 12 no.6:26-33 N-D '53. (MLRA 6:11)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo tuberkuleznogo instituta (direktor - professor I.A.Shaklein).
(Sverdlovsk Province--Tuberculosis) (Tuberculosis--Sverdlovsk Province)

LIBERMAN, I.N., kandidat meditsinskikh nauk

Indications and methods for the analysis of diseases causing temporary disability. Vrach.delo no.11:1197 N '56. (MLRA 10:3)

1. Sverdlovskiy institut tuberkuleza i Sverdlovskiy institut gigiyeny truda i professional'nykh zabolevaniy.
(DISABILITY EVALUATION)
(DISEASES--CAUSES AND THEORIES OF CAUSATION)

LIBERMAN, I.N., kand.med.nauk

Dynamics of silicotuberculosis and tuberculosis in connection with sanitary measures in the copper ore industry in Sverdlovsk Province [with summary in French]. Probl.tub. 35 no.8:14-21 '57. (MIRA 11:4

1. Iz Instituta gigiyeny truda i profzabolevaniy (dir. - kandidat biologicheskikh nauk V.A.Mikhaylov) i Sverdlovskogo instituta tuberkuleza (dir. - prof. I.A.Shaklein)

(TUBERCULOSIS, PULMONARY, prev. & control
silicotuberc. & tuberc. in copper miners in Russia (Rus))
(INDUSTRIAL HYGIENE
prev. of silicotuberc. & tuberc. in copper miners in Russia (Rus))
(SILICOSIS, prev. & control.
silicotuberc. in copper miners in Russia (Rus))

LIBERMAN, I.N., Doc Med Sci — (diss) "The state of workers' health ~~of workers~~ and hygienic improvement measures ~~for the improvement of sanitary conditions~~ in the copper ore industry of Sverdlovskaya Oblast. [Sanitary-statistical study]." Sverdlovsk, 1958. 30 pp (Tomsk State Med Inst), 225 copies. List of author's works, pp 29-30 (KL,24-58, 122)

LIBERMAN, I.N.; ZAITS, L.P.; SAPOZHNIKOVA, O.V.

Decreased tuberculosis disability among the inhabitants of Sverdlovsk. Probl.tub. 38 no.4:19-25 '60. (MIRA 14:5)
(SVERDLOVSK--TUBERCULOSIS)

AUTHOR: Liberman, I.R., Engineer SOV/91-58-12-16/20

TITLE: On Protecting Boiler Metal Against the Corrosive Action of Boiler Water (O zashchite metalla kotlov ot agressivnosti kotlovoy vody)

PERIODICAL: Energetik, 1958, Nr 12, pp 25-27 (USSR)

ABSTRACT: The author lists the methods applied to make boiler metal immune from the corrosive influence of water. He lists the standard ways in which different boilers can be made corrosion-resistant, e.g. by adding nitrates. After having criticized some mistakes committed sometimes in this regard, he puts down a list of the cases in which water corrosiveness indicators should be installed. He also advocates a new method to shorten the corrosiveness test period from 180 to 90 days. Another list is added showing the cases in which such resistance of the boilers must be brought about by means of nitrates and by other methods.
There is 1 Soviet reference.

Card 1/1

8 (0)

SOV/112-57-5-9793

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1957, Nr 5, p 21 (USSR)

AUTHOR: Liberman, I. S.

TITLE: Combined-Deformation Testing of Flexible Cables
(Ispytaniya gibkikh kabeley na stoykost' k kombinirovannym deformatsiyam)

PERIODICAL: Inform.-tekhn. sb. M-vo elektrotekhn. prom-sti SSSR, 1956, Nr 4 (88), pp 37-40

ABSTRACT: Some types of cables intended for connecting moving power-consuming devices are subjected in actual operation to numerous combined deformations that include simultaneous bending, tension, and alternate torsions about the longitudinal axis (see abstract 9792). Operating conditions of these cables and their deformations are quite definite and are characterized by the following data (at a constant temperature): (1) the torsion angle in degrees per unit length; (2) the distance between the fixed points of the cable length being deformed and the length of cable hung between these points; (3) rate of

Card 1/2

LIBERMAN, I. S.

PA 66T92

USSR/Medicine - Skin Diseases
Medicine - Impetigo

Apr 1948

"The Struggle With Suppurative Infections of the Skin Among Collective Farm Workers During Field Agricultural Work," I. S. Liberman, Candidate Med Sci, 3 pp

"Med Sestra" No 4

Describes role of the medical nurse in the prevention and treatment of suppurative skin infections among collective farm workers. Prescribes specific measures for sanitary conditions and nutrition, and describes the symptoms and treatment for impetigo, furuncles, and hydradenitis.

66T92

LIBERMAN, I. S.

TA 75T56

USSR/Medicine - Fungi, Transmission May 1948
Medicine - Children, Diseases

"Prophylaxis of Fungus Diseases in Children," I. S. Liberman, Cand Med Sci, 2 pp

"Med Sestra" No 5

Describes various fungus diseases common in children. Warns that due to easy transmission of infection patients must be isolated. Discusses sanitation measures to control spread of fungus diseases.

75T56

Liberman I. S.

RAYTS, M.M.; FABRIKANT, G.L.; LIBERMAN, I. S.

Penicillin in the treatment of syphilis in children. Pediatriia, Moskva No.1:35-40 Jan-Feb 51. (CIML 20:6)

1. Prof.M.M.Rayts; Candidates Medical Sciences G.L.Fabrikant and I.S.Liberman. 2. Of the Syphilological Clinic of the Institute of Pediatrics of the Academy of Medical Sciences USSR (Head of Clinic-Prof.M.M.Rayts; Director of Institute--Honored Worker in Science Prof.G.N.Speranskiy, Active Member of the Academy of Medical Sciences USSR.

LIBERMAN, I.S. (Moskva)

Peculiarities of the course and treatment of dysentery in children. Fel'd. i akush. 22 no.8:16-20 Ag '57. (MIRA 10:12)
(DYSENTERY)

DODONOVA, Ol'ga Nikolayevna, kand.med.nauk; LIBERMAN, I.S., red.; ZAKHAROVA, A.I., tekhn.red.

[Diphtheria and its prevention] Difteriia i ee preduprezhdenie. Moskva, Gos.izd-vo med.lit-ry Medgiz, 1958. 7 p. (MIRA 12:9)

(DIPHTHERIA--PREVENTION)

SOKOLOVA, T.S., kand.med.nauk; LIBERMAN, I.S., red.; BUL'DYAYEV, N.A., tekhn.red.

[How to prevent gastrointestinal diseases in children] Kak predupredit' zheludochno-kishechnye zabolevaniia u detei. Moskva, Gos.izd-vo med.lit-ry, 1958. 13 p. (MIRA 13:3)
(DIARRHEA)

DOBROKHOTOVA, A.I., prof., red.; LIBERMAN, I.S., red.; KNAKNIN, M.T., tekhn.red.

[Whooping cough in children] Kokliush u detei. Moskva, Gos. izd-vo med. lit-ry, 1958. 199 p. (MIRA 12:1)

1. Chlen-korrespondent AMN SSSR (for Dobrokhotova).
(WHOOPING COUGH)

KAUFMAN, B.D.; LIBERMAN, I.S.; TYSHETSKIY, V.I.

Some materials dealing with the distribution of esophageal cancer in Gur'yev Province, Kazakh S.S.R. (according to materials of the 9th Expedition of the Institute of Oncology of the Academy of Medical Sciences of the U.S.S.R. Vop. onk. 11 no.12:78-85 '65. (MIRA 19:1)

1. Iz nauchno-organizatsionnogo otdela Instituta onkologii AMN SSSR (ispolnyayushchiy obyazannosti zaveduyushchego otdelom - kand. med. nauk B.D. Kaufman, dir. instituta - deystvitel'nyy chlen AMN SSSR zasluzhennyy deyatel' nauki RSFSR prof. A.I. Serebrov).

LIBERMAN, K., arkhitektor

New talk about an old topic. Mest.prom.i khud.promys. 3 no.4:30 Ap '62. (MIRA 15:5)
(Service industries)

LIBERMAN, K.D., vrach; SHTEYNBERG, S.Ya., professor, doktor meditsinskikh nauk, redaktor; BELOUSOV, V.A., professor doktor meditsinskikh nauk, redaktor

[Rheumatism; a bibliography of Soviet literature published from 1934 to 1953] Revmatizm; bibliografiia otechestvennoi literatury 1934-1953 gg. Khar'kov, 1954. 237 p. (MLRA 10:8)

1. Glavnyy bibliograf Khar'kovskoy gosudarstvennoy nauchno-meditsinskoy biblioteki (for Liberman). 2. Kharkov. Gosudarstvennaya nauchno-meditsinskaya biblioteka.
(BIBLIOGRAPHY--RHEUMATIC FEVER)

SOV/86-59-1-31/39

AUTHORS: Dymnik, N.G., Engr Lt Col, and Liberman, Kh.L., Engr Maj

TITLE: New Organization of Aircraft Repair (Novaya organizatsiya remonta samoletov)

ABSTRACT: After an unsuccessful reorganization of aircraft repair procedure, an aircraft repair plant, headed by officer V.I. Loginov, has adopted a new method in which a movable repair-station line is used. The method (potochno-standovoy metod) was evolved during a conference of repairmen held in September 1957. The line consists of five stations located in a hangar and two outdoor stations. In the first station, which is outdoors, the removable units are removed from the aircraft being processed and the elimination of defects is begun. In the second station, the nonremovable equipment is repaired, and the elimination of defects is completed. In the third station, the removed and repaired units are mounted in the airplane again, and the processing is continued. In the

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New Organization of Aircraft Repair

uniformly through the month. Labor productivity is higher. There is none of the fitful work which was done previously. Also, overtime work is no longer necessary, there are less defects, less spare parts are needed, and airplanes are repaired considerably faster. When the new method was first introduced, some difficulties were experienced in the selection of personnel for the teams of workers needed and in supplies. The method is being further perfected. There are one diagram, one photograph, and two tables.

LIBERMAN, K.L., arkhitektor.

Architectural and construction practice in the Czechoslovak People's Republic. Gor. khoz. Mosk. 30 no.8:36-37 Ag '56.
(MLRA 9:10)

(Czechoslovakia--Building)

LIBERMAN, L. Lyushchener.

Tractor models. Za rul. 15 no.4:insert:8 p. Ap '57. (MLRA 10:6)
(Tractor--Models)

25(2) SOV/117-59-3-3/37

AUTHORS: Liberman, L.A., and Idlis, Ye.M., Engineers

TITLE: An Automat for Making Contacts (Avtomat dlya izgotovleniya kontaktov)

PERIODICAL: Mashinostroitel', 1959, Nr 3, pp 4 - 5 (USSR)

ABSTRACT: Detailed design and operation information is given on a new special grinding machine for electric contacts on hard metals. It accepts work of 4 mm diameter or 0.8 - 5 mm thickness and from 50 mm up to 4 meter length, working with a 200 mm diameter and 1 mm thick grinding wheel made with vulcanite for a binder. The design includes a photoelectric tracing device on the wheel slide, so mounted that the light beam cannot reach the photo-resistance behind the grinding wheel until the grinding wheel wears down to a certain diameter. The electric

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An Automat for Making Contacts

pulse then produced by the photo-resistance, switches-in the compensation-feed mechanism. The machine is illustrated by a diagram (Figure 1). It has been tried out on tungsten rod with satisfactory results. There are two diagrams.

LIBERMAN, L.A., inzhener.

Forms for manufacturing precast concrete and reinforced concrete elements for large panel and space-block apartment houses. Stroi. prom. 35 no.4:25-30 Ap '57. (MLRA 10:3)
(Concrete construction--Formwork) (Apartment houses)

LIBERMAN, L.A., inzh.

Size allowances for molds to be used in making reinforced concrete products. Biul.tekh.inform.po stroi. 5 no.12:18-19 '59.
(MIRA 13:4)

(Precast concrete)

LIBERMAN, L.A.

Selecting the material and types of molds for making precast reinforced concrete construction elements. Mat.po stal'.konstr. no.5:174-199 '59. (MIRA 13:8)
(Concrete construction--Formwork)

LIBERMAN, L.A., inzh.; ZAKHAROV, G.A., inzh.

Layouts and calculations for steel molds. Bet. i zhel.-bet. 8 no.8:368-371 Ag '62. (MIRA 15:9)
(Precast concrete)

L 18268-63 EWT(d)/BDS

ACCESSION NR: AP3006716 S/0286/63/000/008/0072/0073 54

AUTHOR: Alafinov, A. A.; Aleksandrov, V. A.; D'yachenko, V. I.; Liberman, L. A.; Strizhkov, Yu. G.; Shipilo, V. L.

TITLE: Machine tool for grinding the internal surface of long tubing. Class 67, No. 154142 14

SOURCE: Byul. izobreteniy i tovarny*kh znakov, no. 8, 1963, 72-73

TOPIC TAGS: internal belt grinding machine, belt grinding, long-tube grinding, abrasive belt, elastic bag, oval tubing, internal grinding

ABSTRACT: The patent is for a machine tool for grinding the internal surface of long tubing with a continuous abrasive belt passing through the rotating tubing. The belt is pressed against the surface being ground by an elastic element (with a pneumatic bag inside) moving reciprocally within the tubing. To provide constant pressure of the elastic element on the surface being ground when the tubing has a varying cross section, the fabric bag is placed in a leather bag with a cross-sectional perimeter larger than that of the maximum cross section of the tubing. In another model of this tool, for grinding

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L 18268-63

ACCESSION NR: AP3006716

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tubing with an oval cross section, the abrasive belt is guided at the entrance of the tubing by a form roller adjustable in the direction perpendicular to the tubing axis so that rotating tubing will not catch and twist the belt. Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 15Jun62	DATE ACQ: 30Sep63	ENCL: 00
SUB CODE: IE	NO REF SOV: 000	OTHER: 000

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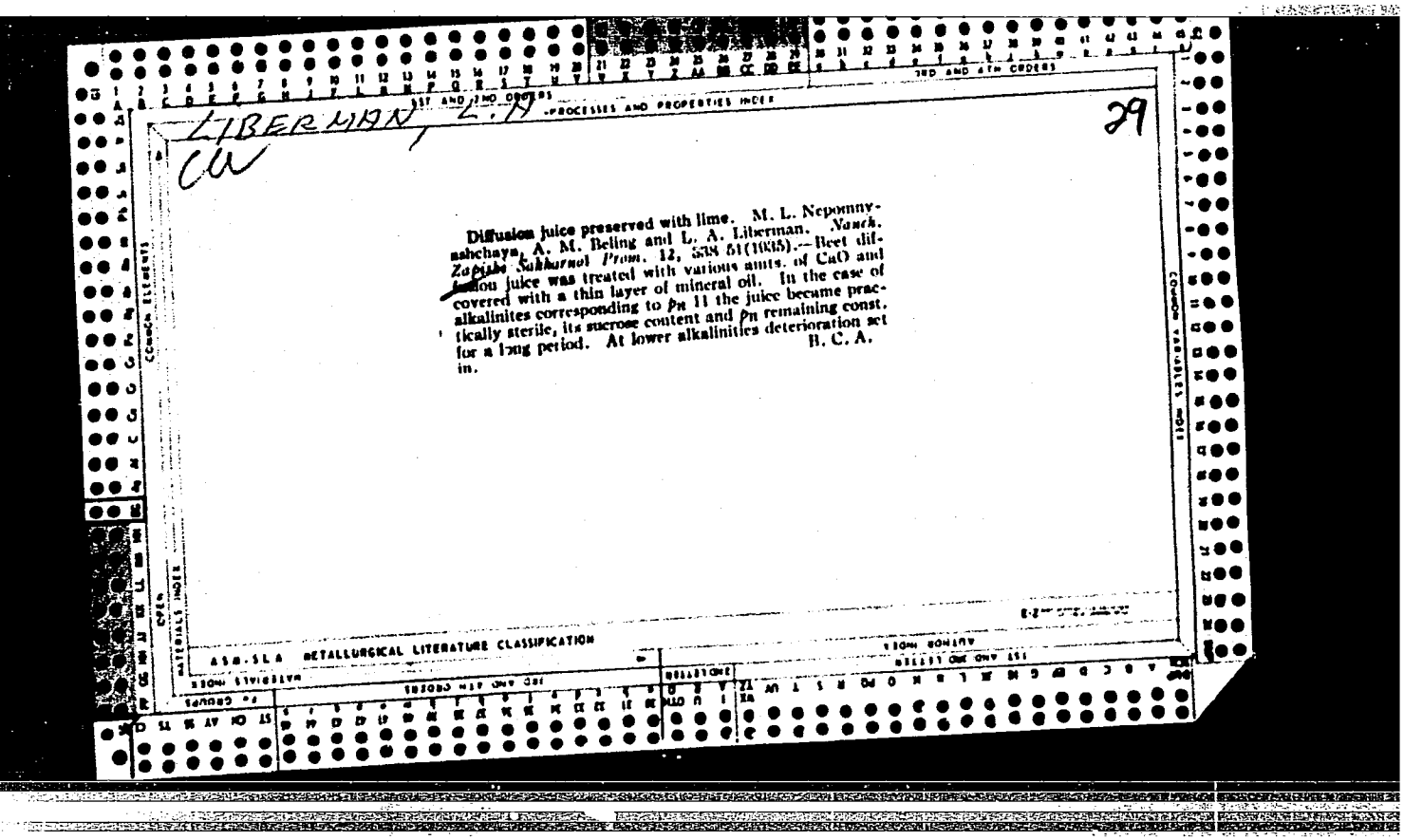
LIBERMAN, Leonid Aleksandrovich, inzh.; MITNIK, Grigoriy Senderovich. kand. tekhn. nauk, PISHCHIK, M.A., nauchn. red.; ZUBKOVA, M.S., red.izd-va; GOL'BERG, T.M., tekhn. red.

[Designing steel forms for prestressed reinforced concrete elements] Proektirovanie stal'nykh form dlia predvaritel'no napriazhennykh zhelezobetonnykh konstruktsii. Moskva, Stroizdat, 1964. 126 p. (MIRA 17:4)



LIBERMAN, L. A.

CW

29

Diffusion juice preserved with lime. M. L. Nepomny-
nshchaya, A. M. Beling and L. A. Liberman. *Nauch. Zapiski Sakharnol Prom.* 12, 538-51(1935).—Beet dif-
fusion juice was treated with various amts. of CaO and covered with a thin layer of mineral oil. In the case of alkalinites corresponding to *p*H 11 the juice became prac-
tically sterile, its sucrose content and *p*H remaining const. for a long period. At lower alkalinities deterioration set in. B. C. A.

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

LIDERMAN, L-A.

BC

a-4

Bacteriophage in the sporiferous gas-producing B. [illegible] (n. sp.). L. A. LIBERMAN (Microbe Variability Conf., 1936, 443—457).—A phage sp. for B. [illegible] is described. It develops at 37° and 50° (pH 5—8.5) in ordinary cultures, as well as in cultures of bacteria grown from spores heated at 80° for 30 min. Coccoid forms often appeared in phage-containing cultures; these reverted to the normal bacillar form when inoculated into broth. R. T.

COMMON ELEMENTS

COMMON VARIABLES INDEX

MATERIALS INDEX

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

AUTHOR INDEX

NEPOMNYASHCHAYA, M.L.; LIBERMAN, L.A.; MEDVINSKAYA, L.Yu.

Bacteriophagic phenomena in the dairy industry. Mikrobiol.zhur. 9 no.2/3:34-47 '48. (MLRA 9:9)

1. Iz otdela promyshlennoy mikrobiologii (zav. otdelom - M.L.Nepomnyashchaya) Instituta mikrobiologii imeni akademika D.K.Zabolotnego Akademii nauk USSR.

(BACTERIOPHAGE) (LACTIC ACID BACTERIA) (MILK)

LIBERMAN, L.A.

Effect of fusel oils on the acid-forming capacity of acetic acid bacteria in rapid manufacturing of vinegar. Mikrobiol.zhur. 9 no.2/3: 138-142 '48. (MLRA 9:9)

1. Iz otdela promyshlennoy mikrobiologii (zav. otdelom - M.L. Nepomnyashchaya) Instituta mikrobiologii imeni akademika D.K.Zabolotnogo Akademii nauk USSR.

(FUSEL OIL) (ACETOBACTER) (VINEGAR)

NEPOMNYASHCHAYA, M.L.; MEDVINSKAYA, L.Yu.; LIBERMAN, L.A.

Nature of the bacteriophages of Streptococcus lactis. Mikrobiol.zhur. 9 no.4:72-80 '48. (MLRA 9:9)

1. Iz otdela promyshlennoy mikrobiologii (zav. otdelom - M.L.Nepomnyashchaya) Instituta mikrobiologii imeni akademika D.K.Zabolotnogo Akademii nauk URSR.

(BACTERIOPHAGE) (STREPTOCOCCUS LACTIS)

LIBERMAN, L. [A.]

USSR/Medicine - Epidemiology Feb 50

"Twentieth Anniversary of the Death of D. K. Zabolotnyy," L. Liberman

"Mikrobiologichniy Zhur" Vol XI, No 4, pp 5-14

Reviews the activities of D. K. Zabolotnyy (1866 - 1926) in the field of epidemiology, with particular attention to his work on plague. The dates mentioned in connection with scientific and epidemiological work on plague are pre-World War I.

203T81

LIBERMAN L. A.

Lactic acid bacteria

Acid-forming capacity of Str. lactis in pasteurized and sterilized milk. Mikrobiol. zhur. 12 No. 3, 1950.

Monthly List of Russian Accessions, Library of Congress, August 1952, Unclassified.

LIBERMAN, L. A.

"The Bacteriophage Str. Lactis in the Ripening Process of Holland Cheeses", Mikrobiol Zhur, Kiev, Vol. 13, No. 1, pp 69-82, 1951.

LIBERMAN, L.A.

Activating the lactic acid fermentation of milk by Streptococcus lactis. Mikrobiol.zhur. 19 no.4:48-53 '57. (MIRA 11:1)

1. Z Institutu mikrobiologii AN URSR.
(STREPTOCOCCUS LACTIS) (MILK)

LIBERMAN, L.A.

Ecological conditions for the development of Streptococcus lactis in fresh milk. Mikrobiol.zhur. 21 no.3:54-60 '59.
(MIRA 12:10)

(MILK microbiol)
(STREPTOBACILLUS)

NEPOMNYASHCHAYA, Mina Lazarevna; MEDVINSKAYA, Lyutsiya Yul'yevna; LIBERMAN, Larisa Abramovna; DROBOT'KO, V.G., akademik, otv.red.; SKUTSKAYA, N.P., red.izd-va; LISOVETS, A.M., tekhn.red.

[Streptococcus lactis bacteriophage and its control in the dairy industry] Bakteriofag molochnokislykh streptokokkov i bor'ba s nimi v molochnoi promyshlennosti. Kiev, Izd-vo Akad.nauk USSR, 1961. 151 p. (MIRA 15:4)

1. AN USSR (for Drobot'ko).
(BACTERIOPHAGE) (STREPTOCOCCUS LACTIS) (DAIRY BACTERIOLOGY)

LIBERMAN, L.A.

Activating effect of products of milk protein hydrolysis formed by proteolytic strains of bacteria on the development of Str. lactis. Mikrobiol. zhur. 23 no.6:54-59 '61. (MIRA 15:4)

1. Institut mikrobiologii AN USSR.
(STREPTOCOCCUS LACTIS) (MILK--MICROBIOLOGY)
(PROTEINS)

LIBERMAN, L.A.; ARISTOVA, M.V.

Stimulating effect of some protein hydrolysates on the ability of Str. lactis to dehydrate lactose. Mikrobiol. zhur. 24.no.4. 27-33. '62. (MIRA 16:5)
(STREPTOCOCCUS LACTIS) (PROTEIN HYDROLYSATES)
(LACTOSE)

LIBERMAN, L. F.

2

S/133/62/000/003/007/008
A054/A127

AUTHORS: Blokhin, Ye. P., Samoylovich, Yu. A., Gulunov, V. S., Sakharova, N. M., Liberman, L. F., Zolotuyeva, S. M.

TITLE: Accelerated heating of stainless steel ingots in heating pits with central burner

PERIODICAL: Stal', no. 3, 1962, 276 - 279

TEXT: At the Chelyabinskiy metallurgicheskiy zavod (Chelyabinsk Metallurgical Plant) the cold 1Kh18N9T (1Kh18N9T) stainless steel ingots are reheated for 15 - 19 hours prior to rolling in recuperating heating pits with central burner; in the first 10 - 11 hours a temperature of 1,280 - 1,300°C is attained, depending on the ferrite-content (alpha-phase) of the steel. The holding time is 5 - 8 hours; the ingot surface temperature is kept below 1,240-1,200°C. Tests were made to increase the reheating rate. Ingots of 530 x 530 - 620 x 620 mm (widening upward), weighing 4.5 tons were tested in the heating pit, with liquid slag skimming and fired with blast-furnace coke-gas (calorific value: 2,200 cal/standard m^3). 13 ingots were heated at the maximum rate with a holding time of not longer than 1 1/2 - 2 hours; the entire heating period lasted 7 1/2 hours.

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S/133/62/000/003/007/008
A054/A127

Accelerated heating of...

The test ingot surface temperature was 1,280 - 1,300°C. At the same time check tests with the conventional 19-hours heating period and at a pit-temperature of 1,260 - 1,270°C were carried out. In the accelerated method a temperature of 1,280°C of the ingot surface was attained in 6 hours. The temperature differential in the middle section was 80°C and could be reduced to 30°C during the next 1 - 1 1/2 hours holding time. Over the height of the ingot, the maximum temperature differential was 100 - 150°C at the beginning of heating, but it was reduced after 3 - 4 hours in the accelerated process (in the conventional process this required 6 - 7 hours). The ingots reheated by the accelerated process had good rolling properties. There were no rejects in blooms due to surface defects and microstructure; the quick reheating process (at raised temperatures) did not increase the alpha-phase content of the finished product. The rejects of rolled products due to dross and haircracks were also reduced. As during accelerated heating the maximum temperature differential in the cross section between the ingot surface and the coldest point of the ingot may attain 550 - 650°C, the effect of heat stresses arising in the first period of heating had to be determined. Calculations (partly carried out by Yu. A. Samoylovich on a Strela computer), taking into account the high ductility of 1Kh18N9T grade steel, showed that at Δt_{max} = 650°C the stresses are reduced from 118 to 66 kg/mm^2. As the tensile

Accelerated heating of...

strength of 1Kh18N9T steel specimens is rather high (above 150 kg/mm^2), the possibility of rupture due to heat stresses is remote. The accelerated reheating tests supported the accuracy of these calculations. There are 4 figures, 1 table and 7 Soviet-bloc references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut metallurgicheskoy teplotekhniki (All-Union Scientific Research Institute of Metallurgical Heat Technique) and Chelyabinskiy metallurgicheskiy zavod (Chelyabinsk Metallurgical Plant)

Card 3/3

BLOKHIN, Ye.P.; SAMOYLOVICH, Yu.A.; GULUNOV, V.S.; SAKHAROVA, N.M.; LIBERMAN, L.F.; ZOLOTUYEVA, S.M.

Rapid heating of stainless steel ingots in soaking pits with central heating. Stal' 22 no.3:276-279 Mr '62. (MIRA 15:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metallurgicheskoy teplotekhniki i Chelyabinskiy metallurgicheskiy zavod.
(Steel, Ingots) (Furnaces, Heating)

GULUNOV, Vasiliy Slangeriyevich; ZOLOTUYEVA, Svetlana Mikhaylovna; LIBERMAN, Lev Fedorovich; SAKHAROVA, Ninel' Maksovna; SAPIR, Yakov Romanovich; GOLUBCHIK, R.M., red.; DOBUZHINSKAYA, L.V., tekhn. red.

[Metal heating before rolling] Nagrev metalla pered prokatkoi; spravochnik dlia rabochikh. [By] V.S.Gulunov, i dr. Moskva, Metallurgizdat, 1963. 220 p. (MIRA 16:10)
(Rolling (Metalwork)--Equipment and supplies)
(Furnaces, Heating--Handbooks, manuals, etc.)

LIBERMAN. L. Kh. Cand Phys-Math Sci -- (diss) " Certain problems of the stability of solutions of integro-differential equations." Sverdlovsk, 1958. 11 pp (Min of Higher Education USSR. Ural Polytechnic Inst im S. M. Kirov), 150 copies. Bibliography: pp 10-11 (16 titles) (KL, 52-58, 98)